

FREQUENCY SELECTIVE SURFACE TO SUPPRESS SURFACE CURRENTS

Abstract

Briefly, in accordance with an embodiment of the invention, an apparatus to
5 suppress surface currents is provided. The apparatus may include very high frequency
(VHF) antenna and a frequency selective surface (FSS) structure adjacent to the VHF
antenna. The FSS structure may include a ground plane, a first conductive via coupled
to the ground plane, and a first conductive plate coupled to the first conductive via,
wherein the FSS structure has a band gap frequency in the VHF band.

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